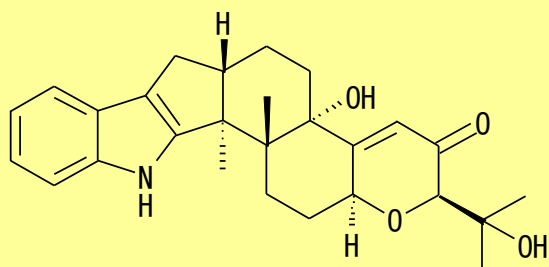


Paxilline

Cat.# BLK1250

Structure

**Origin:** Aspergillus sp.**CAS Registry Number:** 57186-25-1**CA Index Name:****Appearance:** off white solid**Molecular Formula/ Weight:**
C₂₇H₃₃NO₄=435.57**Melting Point:** 214-215°C **Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml DMSO, Methanol, Ethanol**pKa:****log P:**

Background Information:

Paxilline, indole alkaloid, was isolated from *Penicillium paxilli*. This tremorgenic toxin is a reversible inhibitor of the cerebellar inositol 1,4, 5-trisphosphate (InsP(3)) receptor. And it inhibits potassium channels in smooth muscles.

Handling and Storage:

Store at -20°C.

References:

1. Can J Microbiol. 1974 Aug;20(8):1159-62.
2. Chem Pharm Bull (Tokyo). 1989 May;37(5):1387-9.
3. Biochemistry. 1994 May 17;33(19):5819-28.
4. Eur J Pharmacol. 2000 Nov 24;408(3):219-25.
5. Neuroscience. 2005;136(2):549-62.

Manufactured with Cortesy strain from The Kitasato Institute.